

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1-22 (Cancelled)

Claim 23 (Currently Amended): A device for heating liquids, comprising:
a base structure, and

at least one heating element connecting to the base structure, wherein at least one non-linear channel structure is arranged between the base structure and the heating element for throughflow of a liquid for heating, ~~wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element~~ wherein the channel structure has an at least partly spiral-shaped form and is formed at least partially by at least one spirally wound strip having a flexibility such that mutually adjoining strip parts of the strip can slide relative to each other.

Claim 24 (Cancelled)

Claim 25 (Cancelled)

Claim 26 (Previously Presented): The device as claimed in claim 23, wherein the heating element takes a substantially plate-like form.

Claim 27 (Previously Presented): The device as claimed in claim 23, wherein the channel length of the channel structure lies between 0.3 and 7 metres, in particular between 0.5 and 5 metres.

Claim 28 (Previously Presented): The device as claimed in claim 23, wherein the cross-section of the channel structure has a surface area which lies between 1 and 100 mm², in particular between 2 and 50 mm².

Claims 29-33 (Cancelled)

Claim 34 (Previously Presented): The device as claimed in claim 23, wherein the device is provided with a pump for pumping the liquid for heating under pressure through the channel structure.

Claim 35 (Previously Presented): The device as claimed in claim 34, wherein a pump flow rate of the pump can be regulated.

Claim 36 (Previously Presented): The device as claimed in claim 35, wherein the device is provided with sensor means coupled to the pump for regulating the pump flow rate subject to the liquid temperature in the channel structure.

Claim 37 (Previously Presented): The device as claimed in claim 23, wherein the heating element is displaceable relative to the base structure between a position connecting to the channel structure and a position situated at a distance from the channel structure.

Claim 38 (Previously Presented): A device for heating liquids, comprising:
a base structure, and

at least one heating element connecting to the base structure, wherein at least one non-linear channel structure is arranged between the base structure and the heating element for throughflow of a liquid for heating, wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element,

wherein the heating element is displaceable relative to the base structure between a position connecting to the channel structure and a position situated at a distance from the channel structure, and

wherein the base structure and the heating element in the position at a distance from the base structure mutually enclose an evaporation chamber.

Claim 39 (Previously Presented): A device for heating liquids, comprising:
a base structure, and

at least one heating element connecting to the base structure, wherein at least one non-linear channel structure is arranged between the base structure and the heating element for throughflow of a liquid for heating, wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element,

wherein the device is provided with a pump for pumping the liquid for heating under pressure through the channel structure, and

wherein the pump is coupled to the heating element and/or the base structure in order to change the relative orientation of the heating element and the base structure.

Claims 40-44 (Cancelled)

Claim 45 (New): The device as claimed in claim 23, wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element.

Claim 46 (New): The device as claimed in claim 23, wherein the spirally wound strip is formed of metal.

Claim 47 (New): The device as claimed in claim 46, wherein said metal is steel.